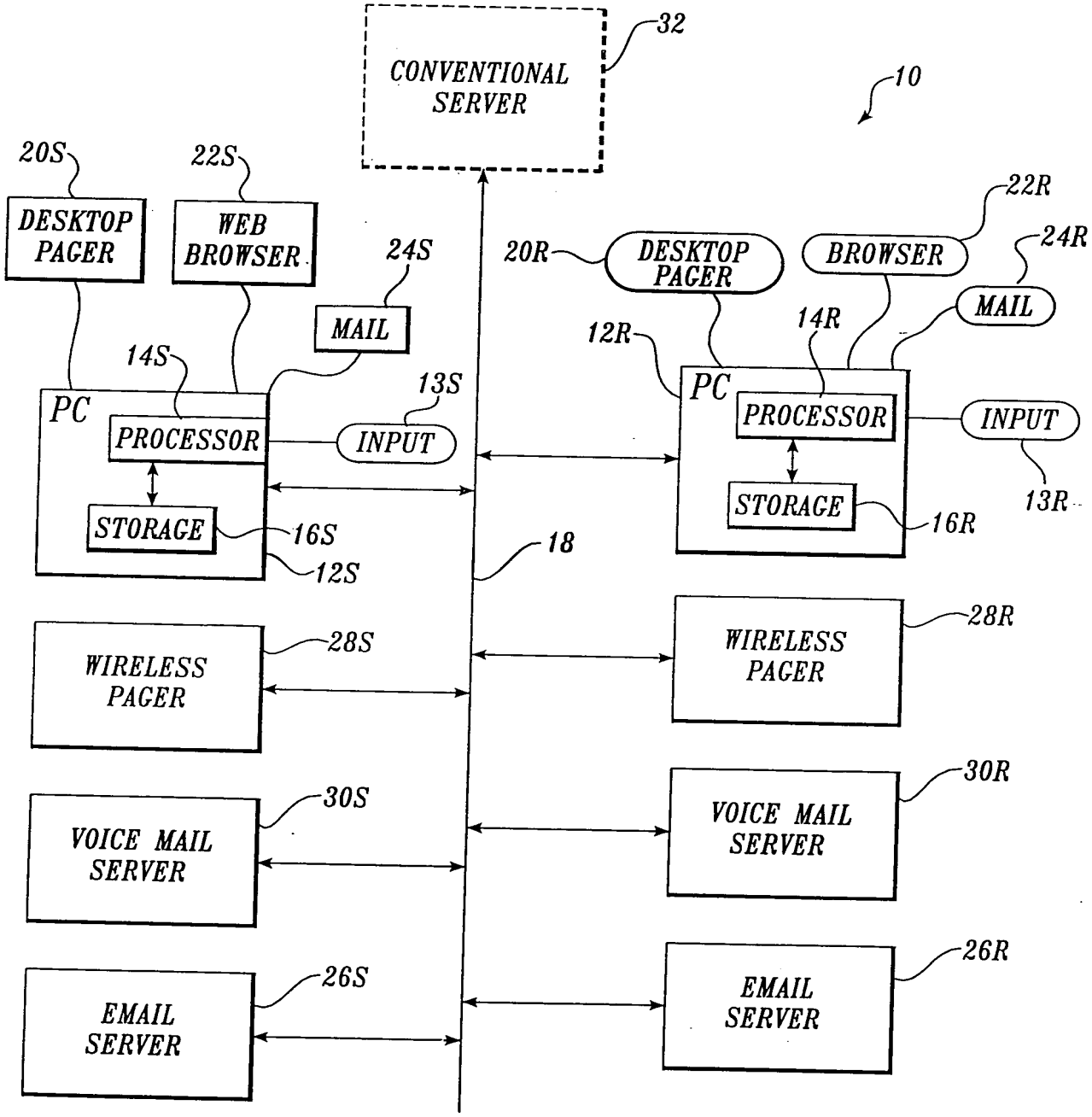

Fig. 1.
(PRIOR ART)

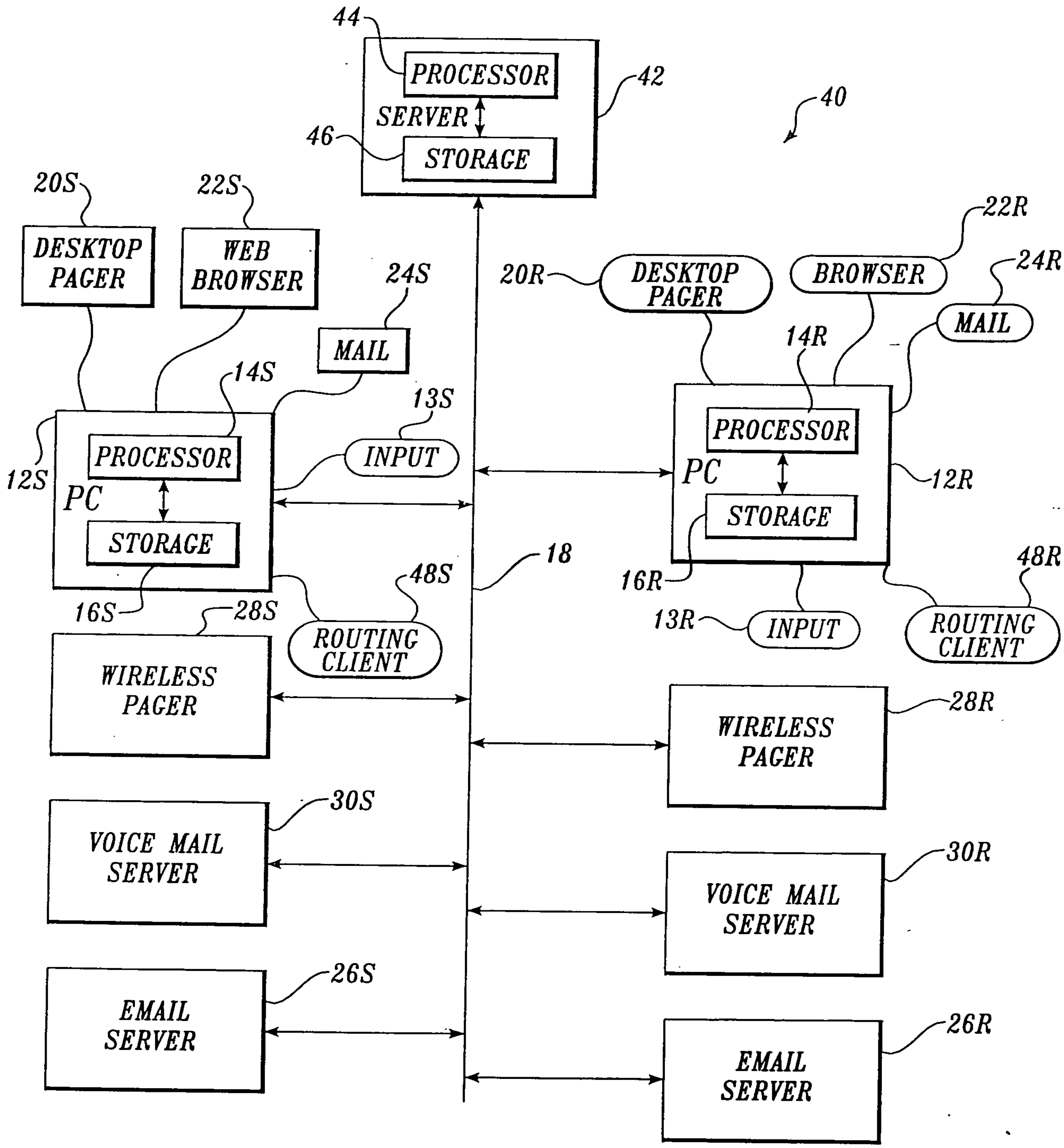

Fig. 2.

09427318.122000

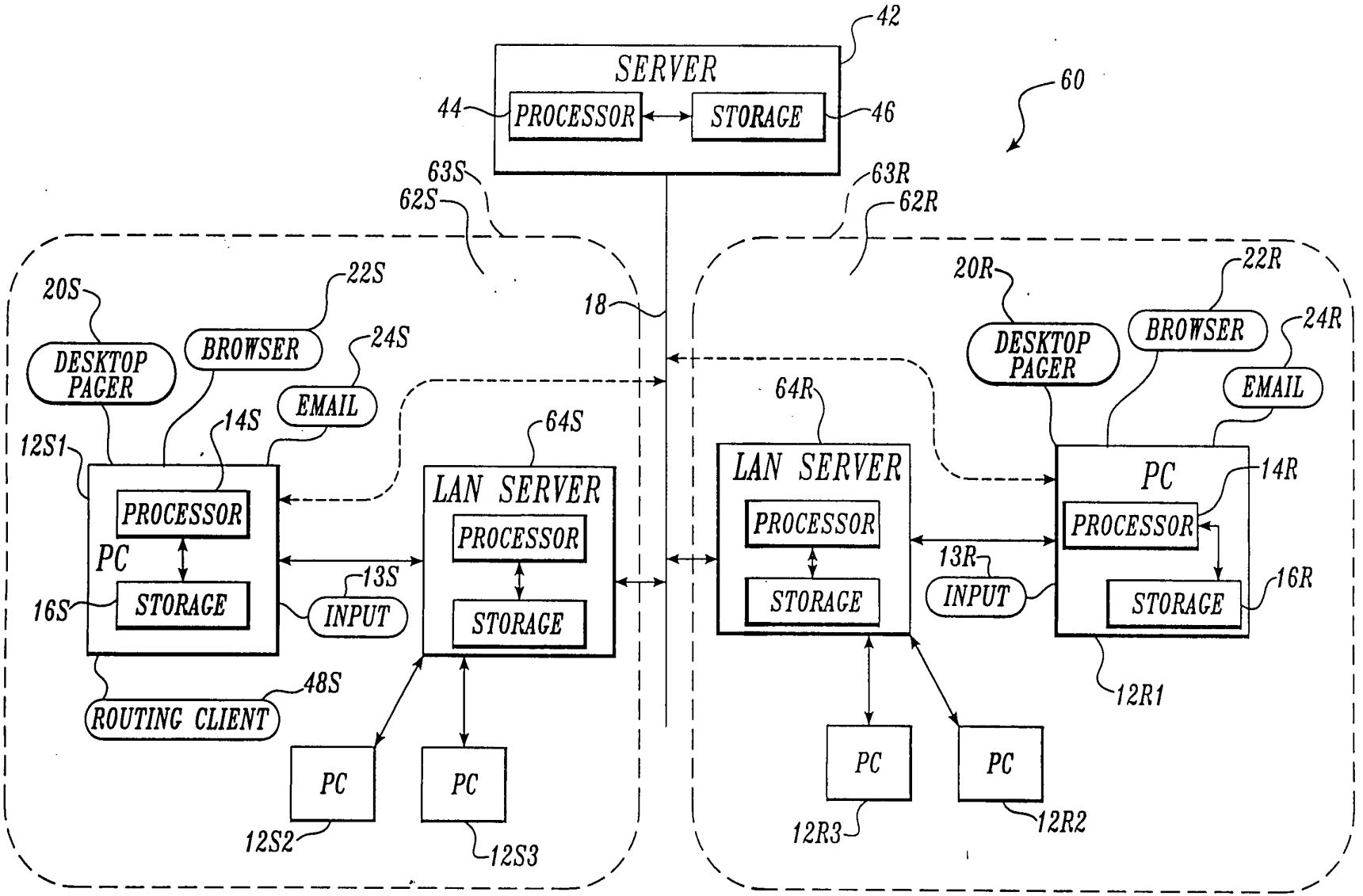

Fig. 3.

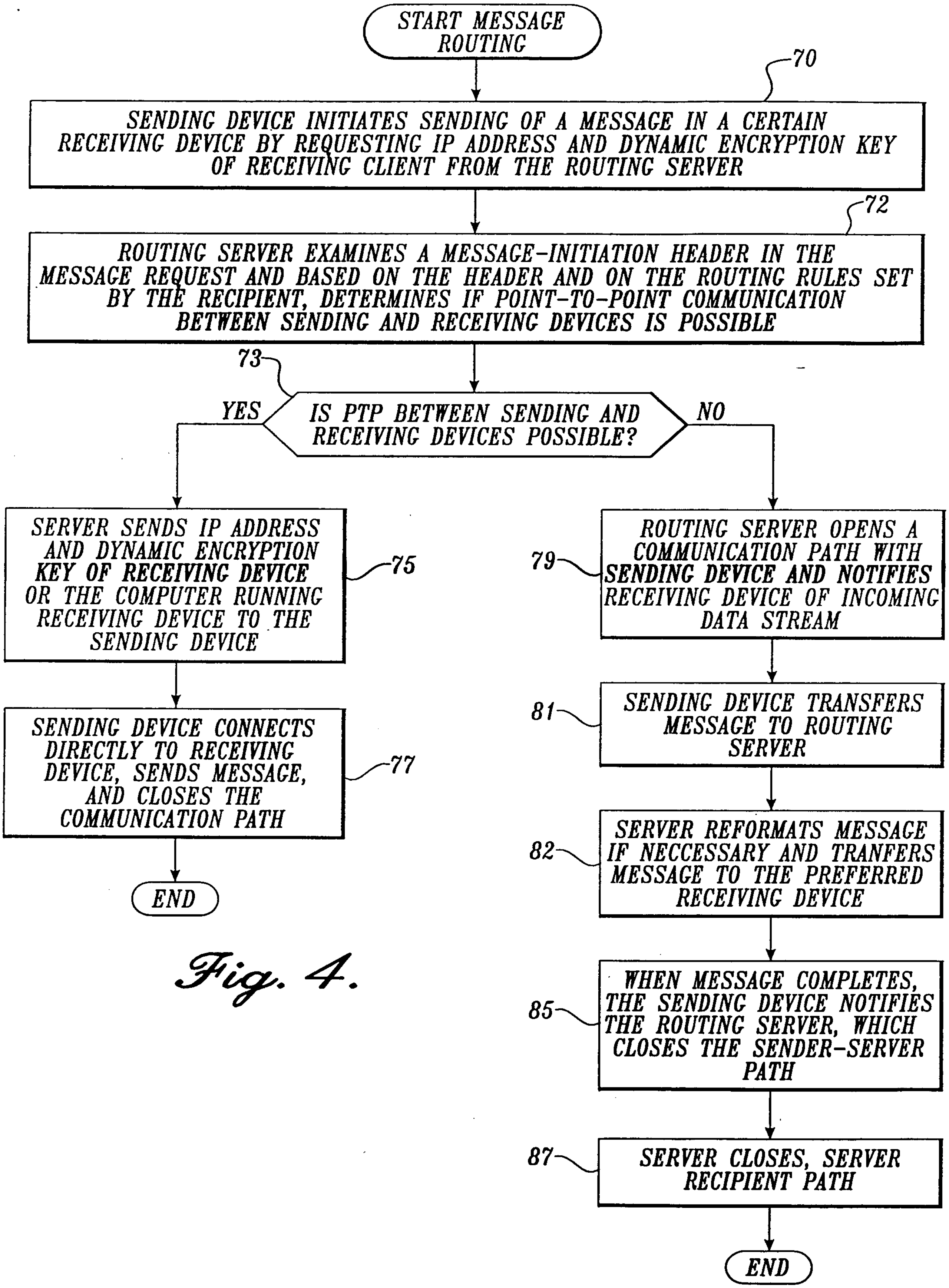
START MESSAGE ROUTING
70
SENDING DEVICE INITIATES SENDING OF A MESSAGE IN A CERTAIN RECEIVING DEVICE BY REQUESTING IP ADDRESS AND DYNAMIC ENCRYPTION KEY OF RECEIVING CLIENT FROM THE ROUTING SERVER
72
ROUTING SERVER EXAMINES A MESSAGE-INITIATION HEADER IN THE MESSAGE REQUEST AND BASED ON THE HEADER AND ON THE ROUTING RULES SET BY THE RECIPIENT, DETERMINES IF POINT-TO-POINT COMMUNICATION BETWEEN SENDING AND RECEIVING DEVICES IS POSSIBLE
73
IS PTP BETWEEN SENDING AND RECEIVING DEVICES POSSIBLE?
YES
NO
SERVER SENDS IP ADDRESS AND DYNAMIC ENCRYPTION KEY OF RECEIVING DEVICE OR THE COMPUTER RUNNING RECEIVING DEVICE TO THE SENDING DEVICE
75
SENDING DEVICE CONNECTS DIRECTLY TO RECEIVING DEVICE, SENDS MESSAGE, AND CLOSES THE COMMUNICATION PATH
77
END
79
ROUTING SERVER OPENS A COMMUNICATION PATH WITH SENDING DEVICE AND NOTIFIES RECEIVING DEVICE OF INCOMING DATA STREAM
81
SENDING DEVICE TRANSFERS MESSAGE TO ROUTING SERVER
82
SERVER REFORMATS MESSAGE IF NECCESSARY AND TRANFERS MESSAGE TO THE PREFERRED RECEIVING DEVICE
85
WHEN MESSAGE COMPLETES, THE SENDING DEVICE NOTIFIES THE ROUTING SERVER, WHICH CLOSES THE SENDER-SERVER PATH
87
SERVER CLOSES, SERVER RECIPIENT PATH
END

Fig. 4.

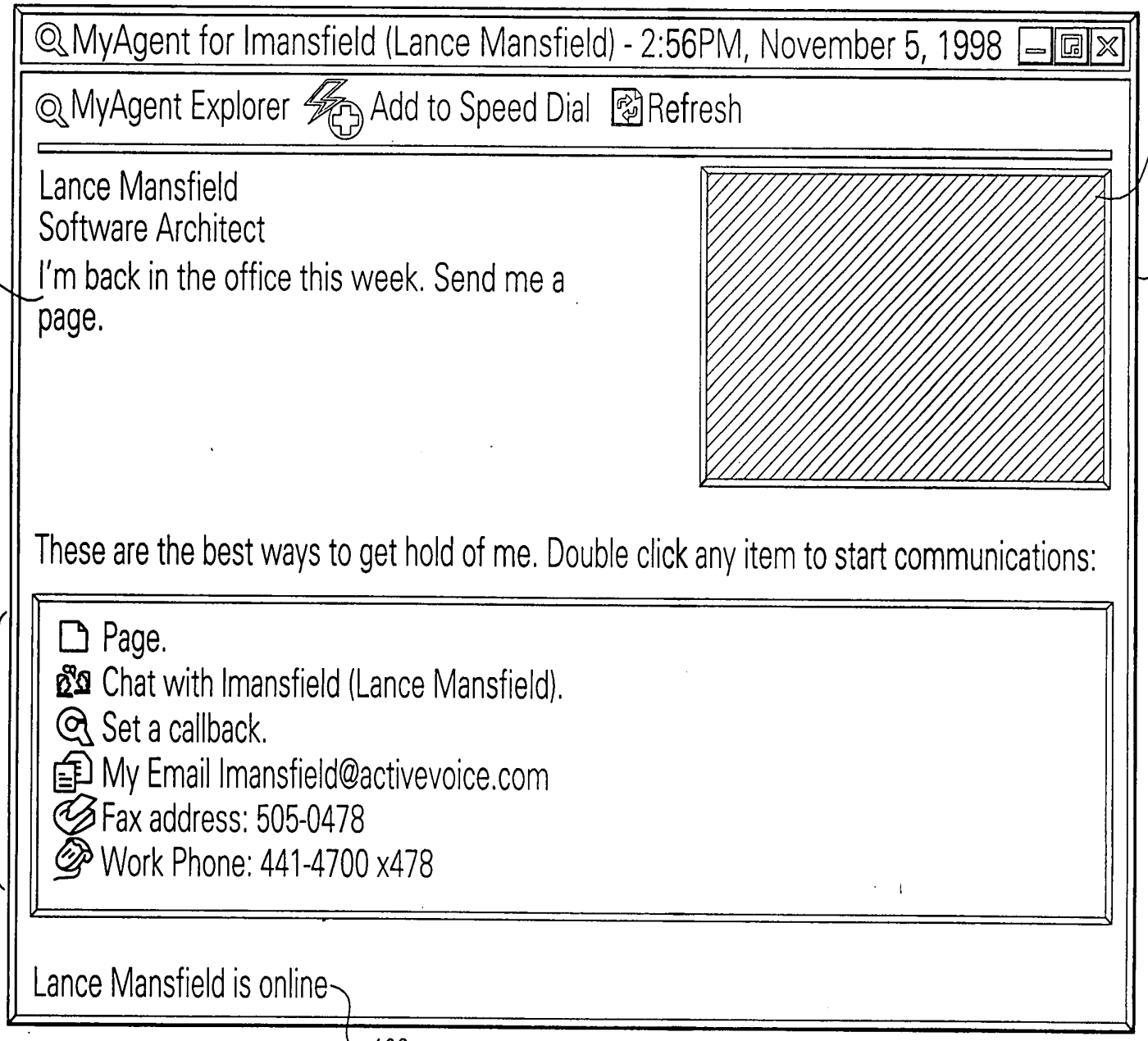
MyAgent for Imansfield (Lance Mansfield) - 2:56PM, November 5, 1998
MyAgent Explorer
Add to Speed Dial
Refresh
Lance Mansfield
Software Architect
I'm back in the office this week. Send me a page.
These are the best ways to get hold of me. Double click any item to start communications:
Page.
Chat with Imansfield (Lance Mansfield).
Set a callback.
My Email Imansfield@activevoice.com
Fax address: 505-0478
Work Phone: 441-4700 x478
Lance Mansfield is online
98
90
100
92
102

Fig. 5.

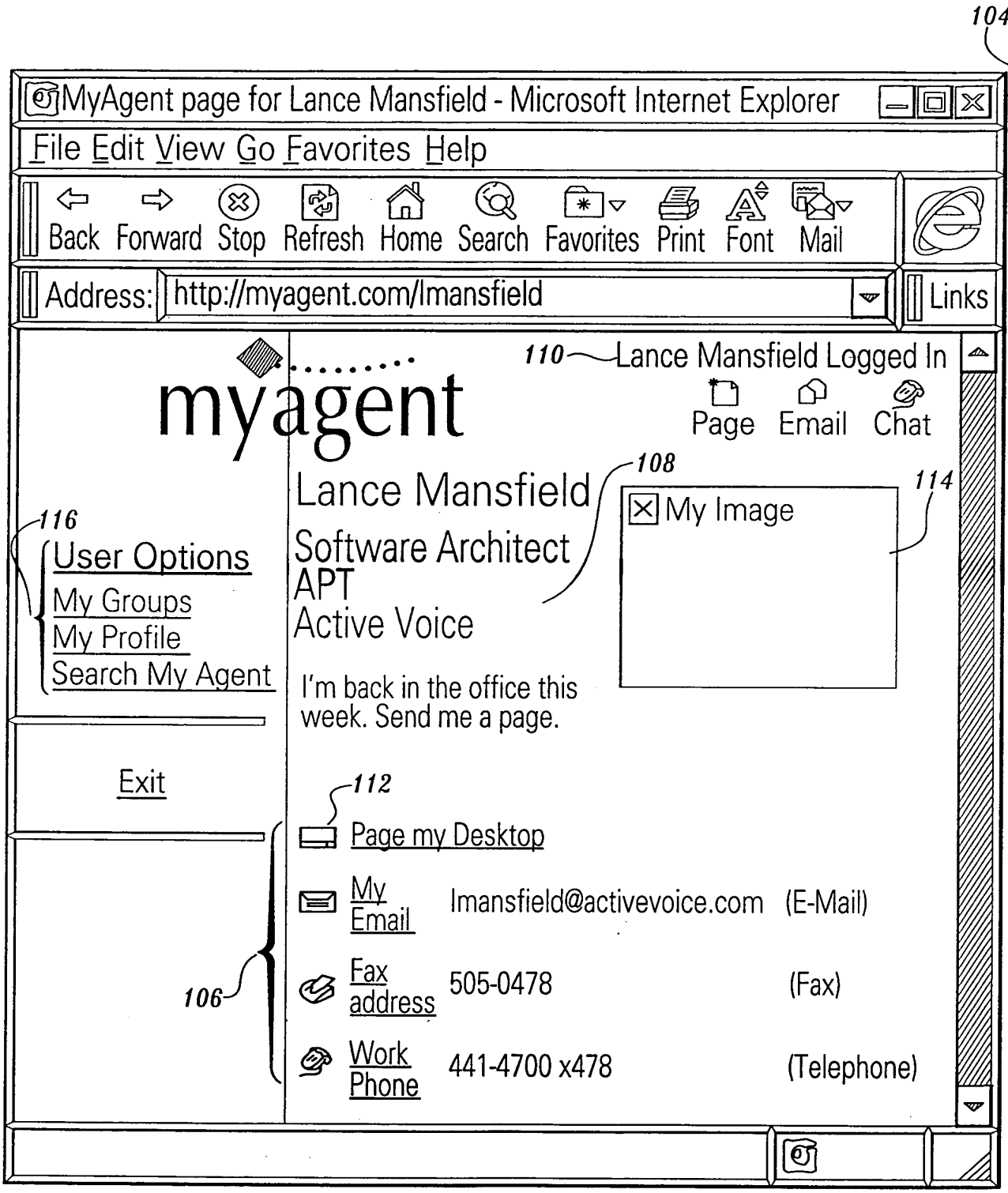
104
MyAgent page for Lance Mansfield - Microsoft Internet Explorer
File Edit View Go Favorites Help
Back Forward Stop Refresh Home Search Favorites Print Font Mail
Address: http://myagent.com/lmansfield
Links
myagent
110
Lance Mansfield Logged In
Page Email Chat
108
Lance Mansfield
Software Architect
APT
Active Voice
114
My Image
116
User Options
My Groups
My Profile
Search My Agent
I'm back in the office this week. Send me a page.
Exit
112
Page my Desktop
My Email
lmansfield@activevoice.com
(E-Mail)
Fax address
505-0478
(Fax)
Work Phone
441-4700 x478
(Telephone)
106

Fig. 6.

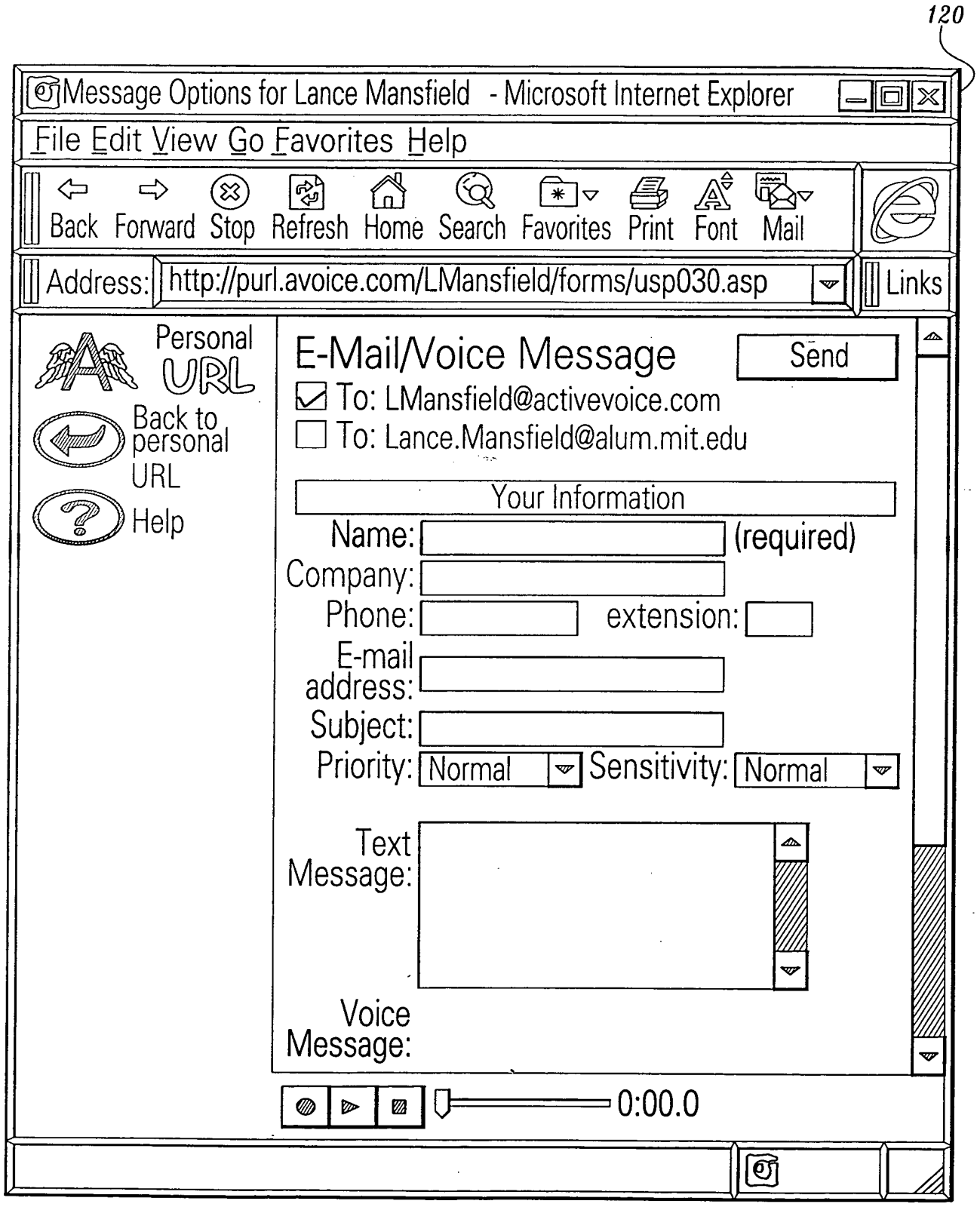
120
Message Options for Lance Mansfield - Microsoft Internet Explorer
File Edit View Go Favorites Help
Back Forward Stop Refresh Home Search Favorites Print Font Mail
Address: http://purl.avoice.com/LMansfield/forms/usp030.asp
Links
Personal URL
Back to personal URL
Help
E-Mail/Voice Message
Send
To: LMansfield@activevoice.com
To: Lance.Mansfield@alum.mit.edu
Your Information
Name: (required)
Company:
Phone: extension:
E-mail address:
Subject:
Priority: Normal
Sensitivity: Normal
Text Message:
Voice Message:
0:00.0

Fig. 7.

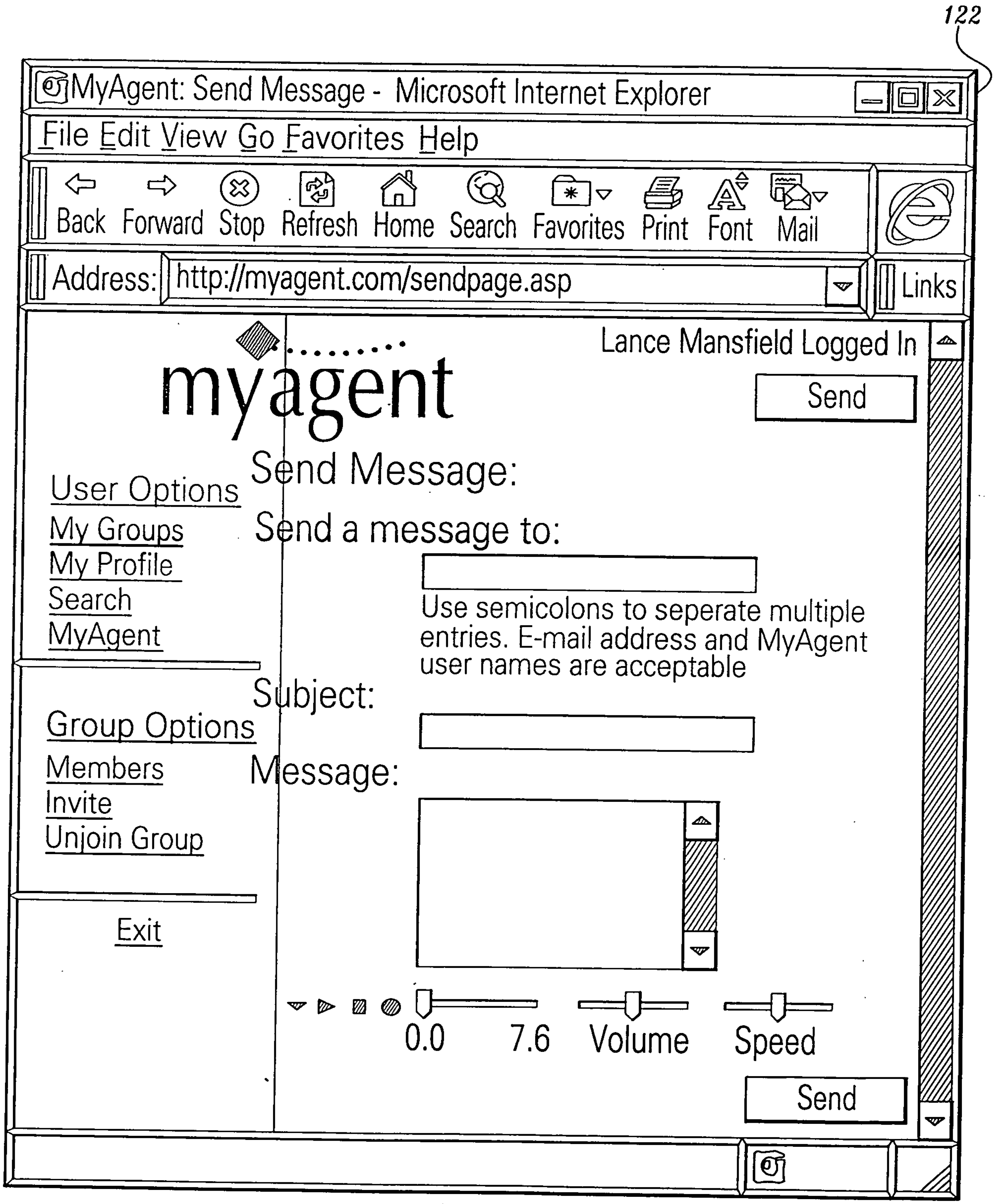
122
MyAgent: Send Message - Microsoft Internet Explorer
File Edit View Go Favorites Help
Back Forward Stop Refresh Home Search Favorites Print Font Mail
Address: http://myagent.com/sendpage.asp
Links
myagent
Lance Mansfield Logged In
Send
User Options
My Groups
My Profile
Search
MyAgent
Group Options
Members
Invite
Unjoin Group
Exit
Send Message:
Send a message to:
Use semicolons to seperate multiple entries. E-mail address and MyAgent user names are acceptable
Subject:
Message:
0.0
7.6
Volume
Speed
Send

Fig. 8.

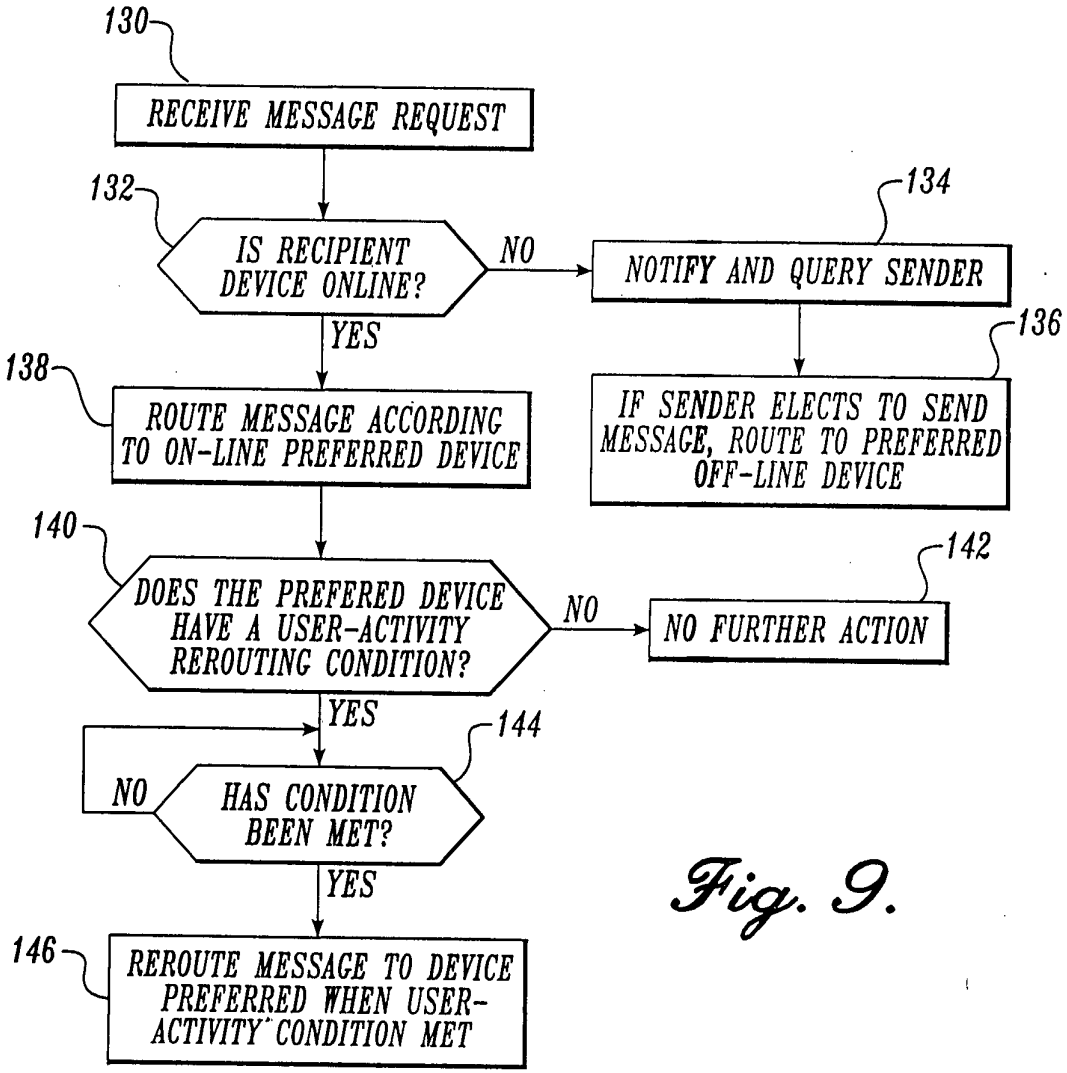

Fig. 9.

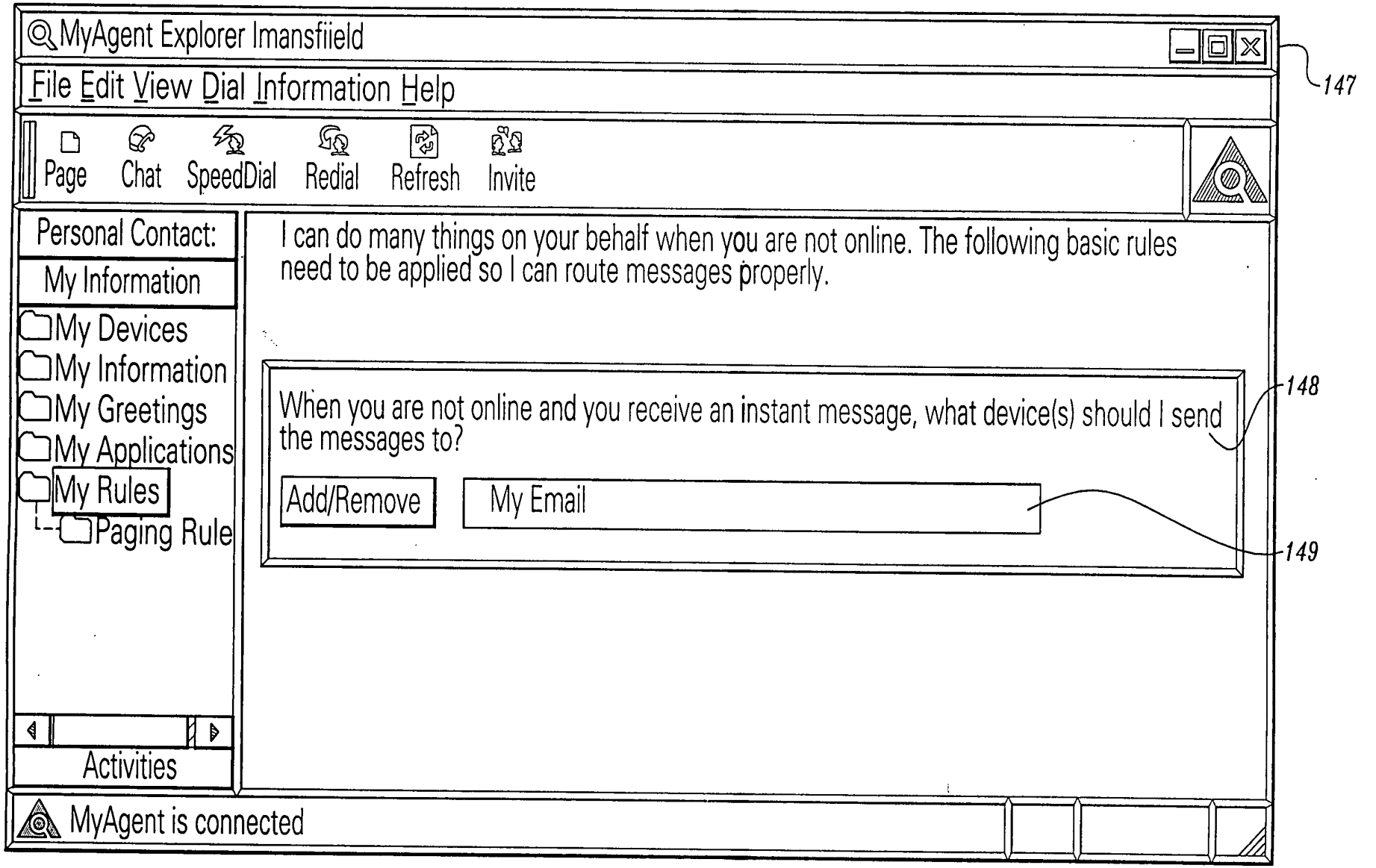
MyAgent Explorer Imansfiield
File Edit View Dial Information Help
Page
Chat
SpeedDial
Redial
Refresh
Invite
Personal Contact:
My Information
My Devices
My Information
My Greetings
My Applications
My Rules
Paging Rule
Activities
I can do many things on your behalf when you are not online. The following basic rules need to be applied so I can route messages properly.
When you are not online and you receive an instant message, what device(s) should I send the messages to?
Add/Remove
My Email
MyAgent is connected
147
148
149

Fig. 10.

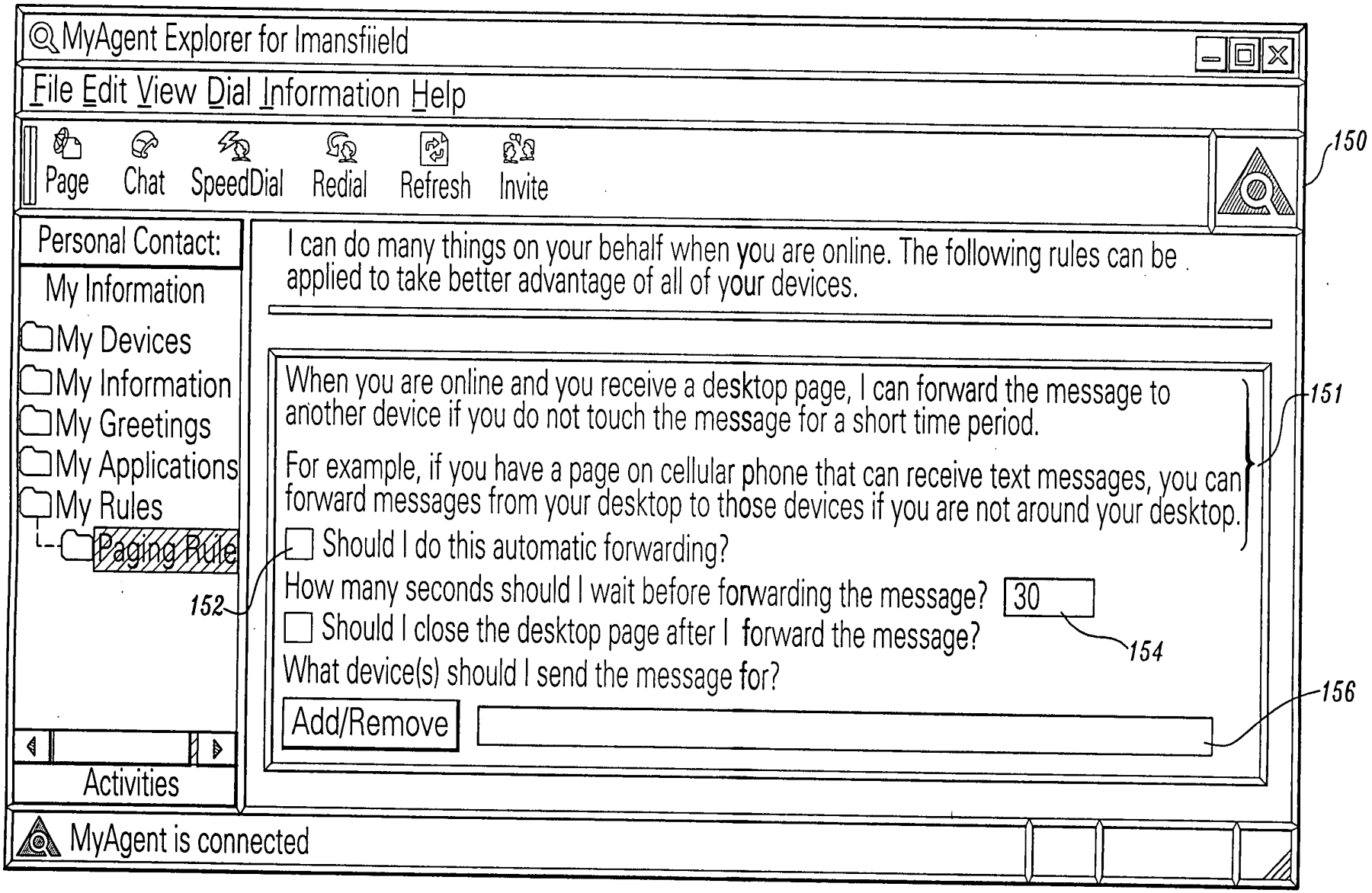
MyAgent Explorer for Imansfiield
File Edit View Dial Information Help
Page
Chat
SpeedDial
Redial
Refresh
Invite
150
Personal Contact:
My Information
My Devices
My Information
My Greetings
My Applications
My Rules
Paging Rule
152
Activities
I can do many things on your behalf when you are online. The following rules can be applied to take better advantage of all of your devices.
When you are online and you receive a desktop page, I can forward the message to another device if you do not touch the message for a short time period.
151
For example, if you have a page on cellular phone that can receive text messages, you can forward messages from your desktop to those devices if you are not around your desktop.
Should I do this automatic forwarding?
How many seconds should I wait before forwarding the message? 30
154
Should I close the desktop page after I forward the message?
What device(s) should I send the message for?
Add/Remove
156
MyAgent is connected

Fig. 11.

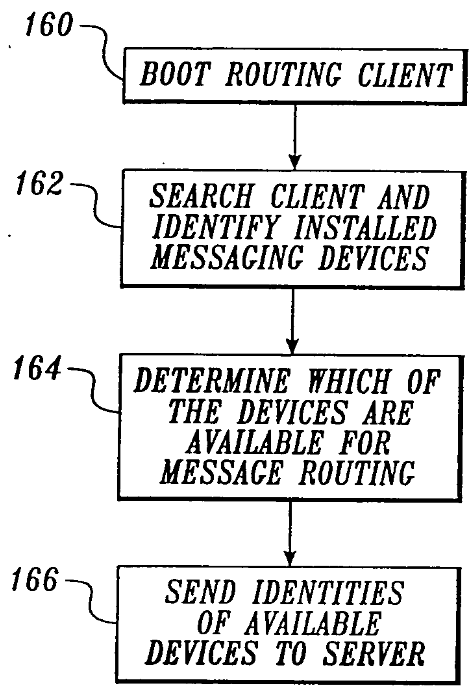
160
BOOT ROUTING CLIENT
162
SEARCH CLIENT AND IDENTIFY INSTALLED MESSAGING DEVICES
164
DETERMINE WHICH OF THE DEVICES ARE AVAILABLE FOR MESSAGE ROUTING
166
SEND IDENTITIES OF AVAILABLE DEVICES TO SERVER

Fig. 12.

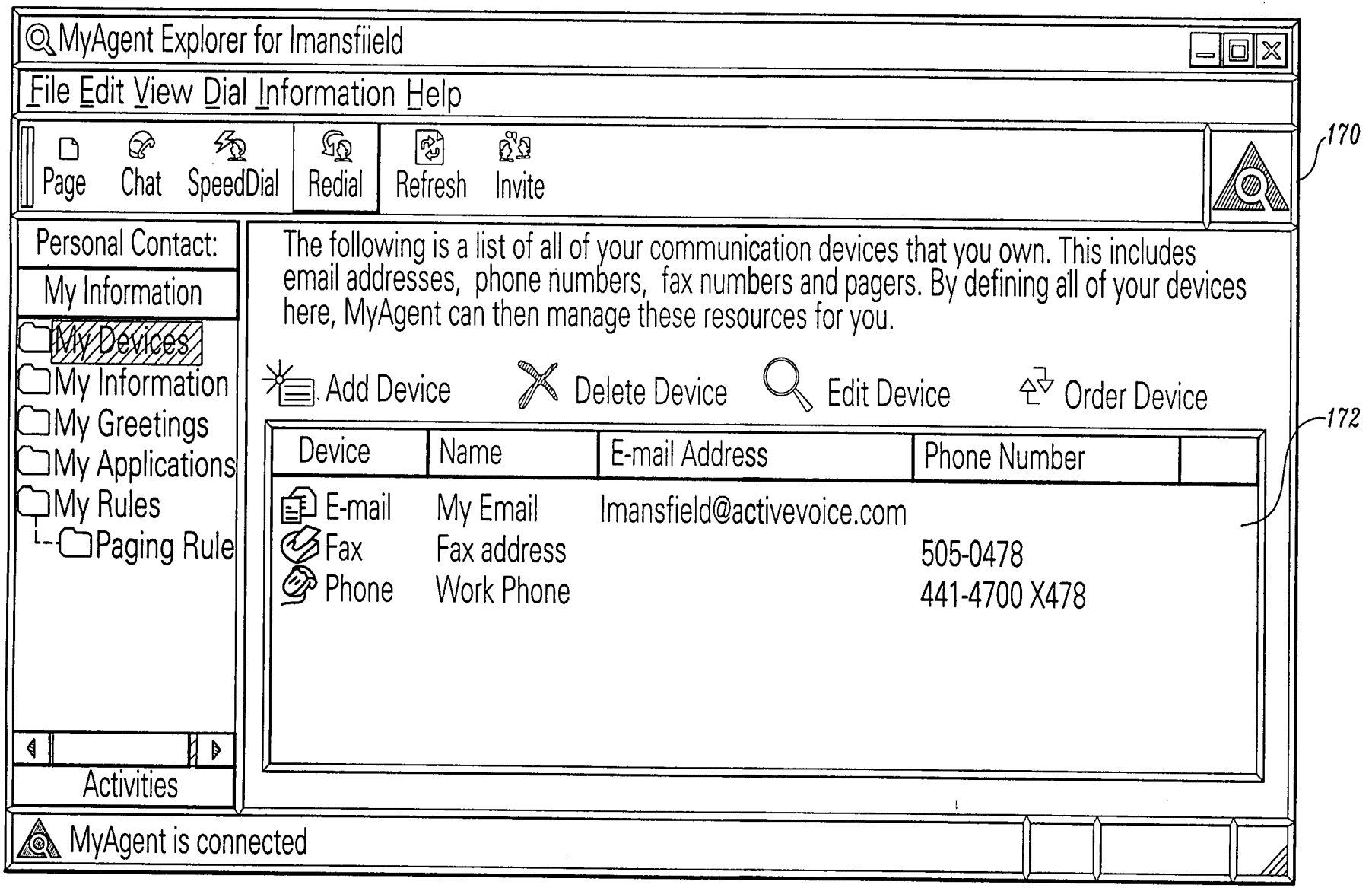
MyAgent Explorer for Imansfiield
File Edit View Dial Information Help
Page
Chat
SpeedDial
Redial
Refresh
Invite
170
Personal Contact:
My Information
My Devices
My Information
My Greetings
My Applications
My Rules
Paging Rule
Activities
The following is a list of all of your communication devices that you own. This includes email addresses, phone numbers, fax numbers and pagers. By defining all of your devices here, MyAgent can then manage these resources for you.
Add Device
Delete Device
Edit Device
Order Device
172
Device
Name
E-mail Address
Phone Number
E-mail
My Email
Imansfield@activevoice.com
Fax
Fax address
505-0478
Phone
Work Phone
441-4700 X478
MyAgent is connected

Fig. 13.

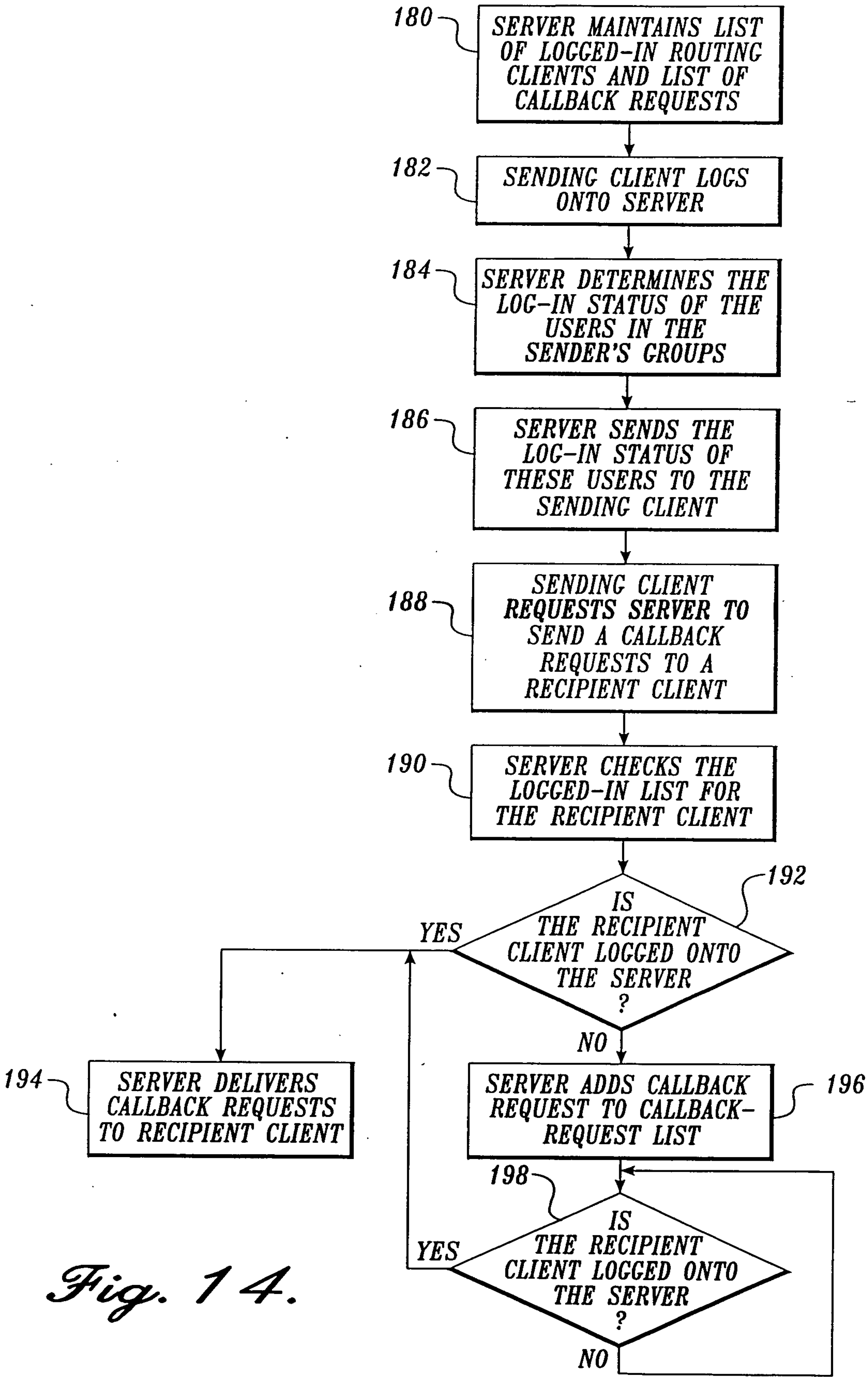

Fig. 14.

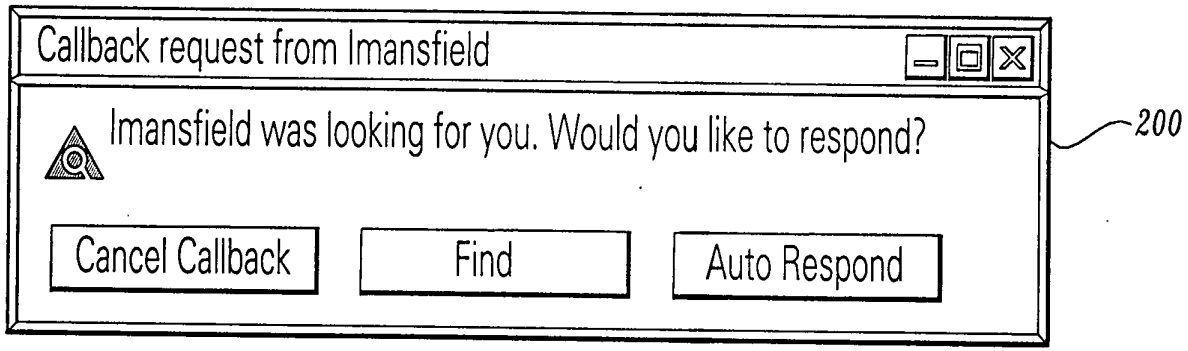

Fig. 15.

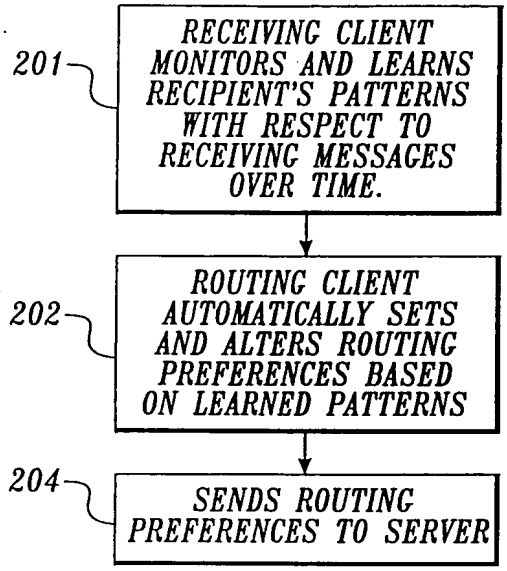

Fig. 16.

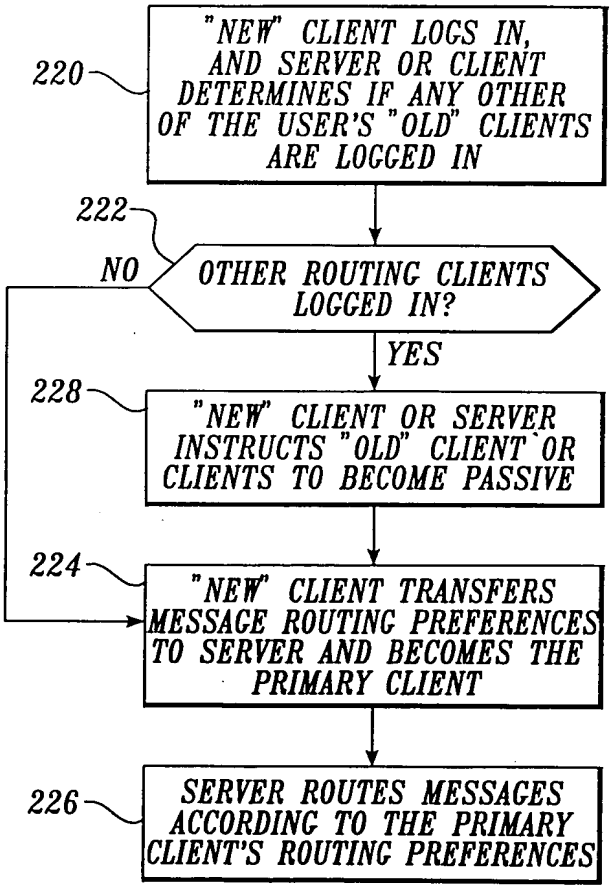

Fig. 18.

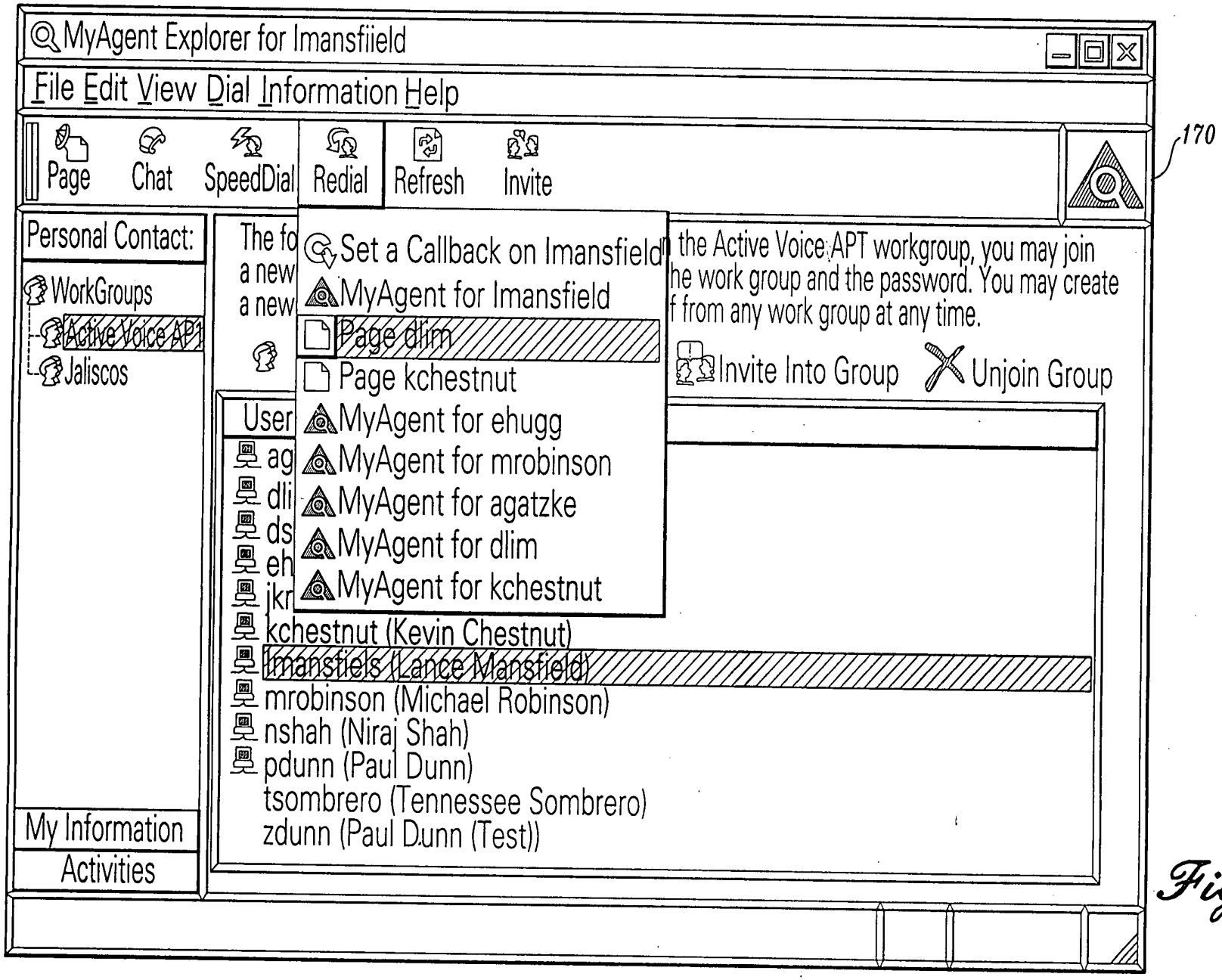
MyAgent Explorer for Imansfiield
File Edit View Dial Information Help
Page
Chat
SpeedDial
Redial
Refresh
Invite
170
Personal Contact:
WorkGroups
Active Voice APT
Jaliscos
My Information
Activities
Set a Callback on Imansfield
MyAgent for Imansfield
Page dlim
Page kchestnut
MyAgent for ehugg
MyAgent for mrobinson
MyAgent for agatzke
MyAgent for dlim
MyAgent for kchestnut
the Active Voice APT workgroup, you may join
he work group and the password. You may create
f from any work group at any time.
Invite Into Group
Unjoin Group
User
kchestnut (Kevin Chestnut)
Imansfiels (Lance Mansfield)
mrobinson (Michael Robinson)
nshah (Niraj Shah)
pdunn (Paul Dunn)
tsombrero (Tennessee Sombrero)
zdunn (Paul Dunn (Test))

Fig. 17.

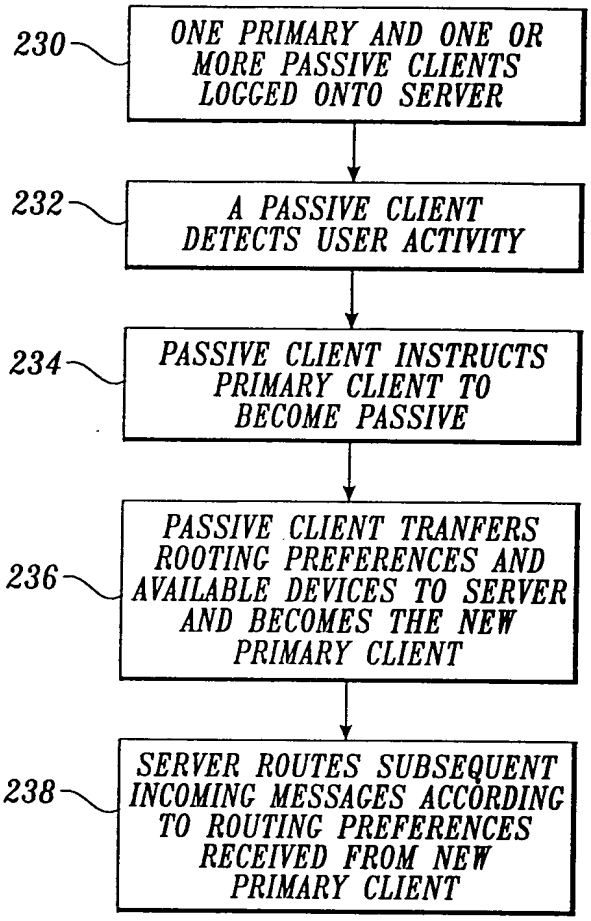
230
ONE PRIMARY AND ONE OR MORE PASSIVE CLIENTS LOGGED ONTO SERVER
232
A PASSIVE CLIENT DETECTS USER ACTIVITY
234
PASSIVE CLIENT INSTRUCTS PRIMARY CLIENT TO BECOME PASSIVE
236
PASSIVE CLIENT TRANFERS ROOTING PREFERENCES AND AVAILABLE DEVICES TO SERVER AND BECOMES THE NEW PRIMARY CLIENT
238
SERVER ROUTES SUBSEQUENT INCOMING MESSAGES ACCORDING TO ROUTING PREFERENCES RECEIVED FROM NEW PRIMARY CLIENT

Fig. 19.

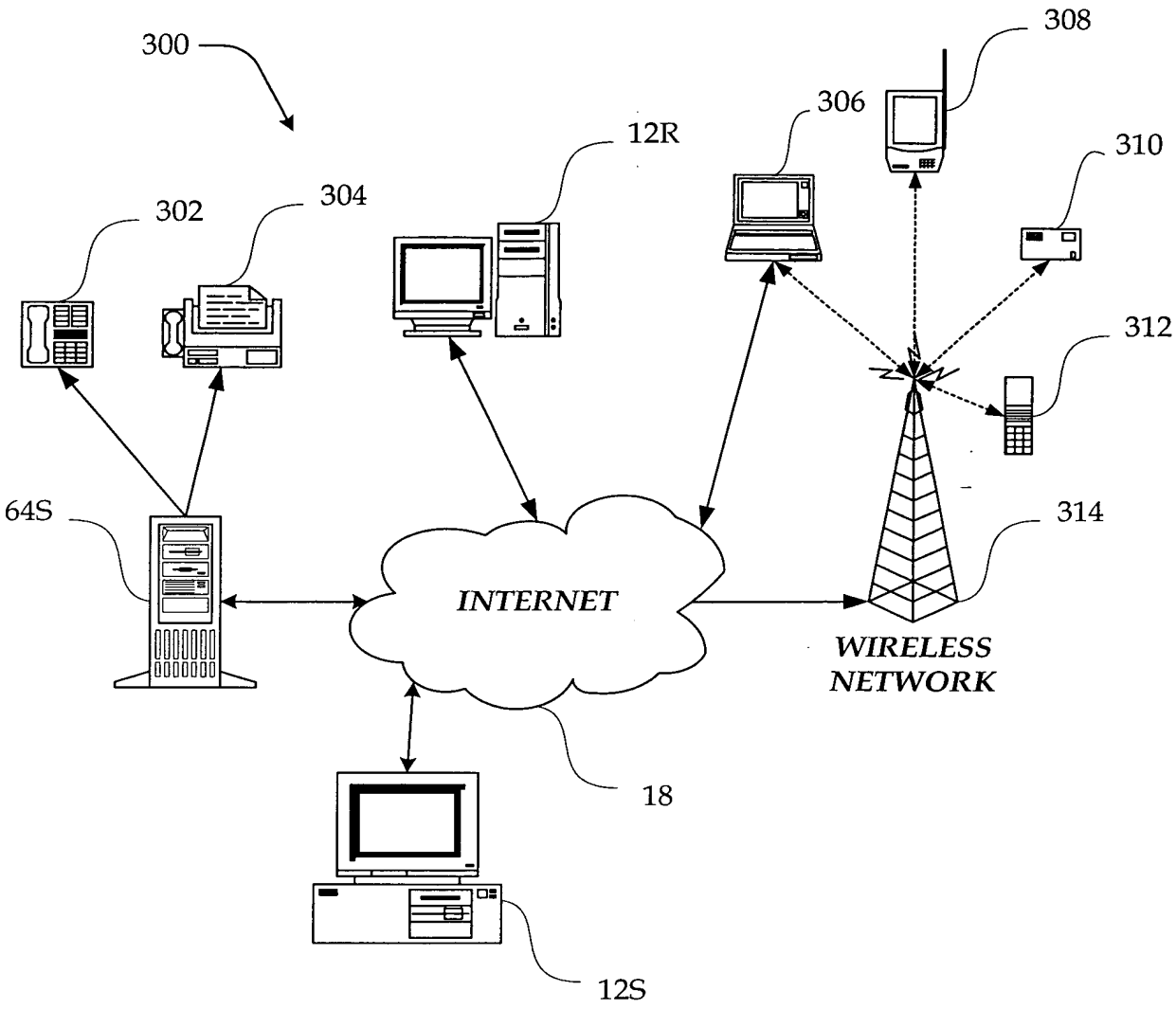
300
308
306
12R
310
302
304
312
64S
INTERNET
314
WIRELESS
NETWORK
18
12S

Fig.20.

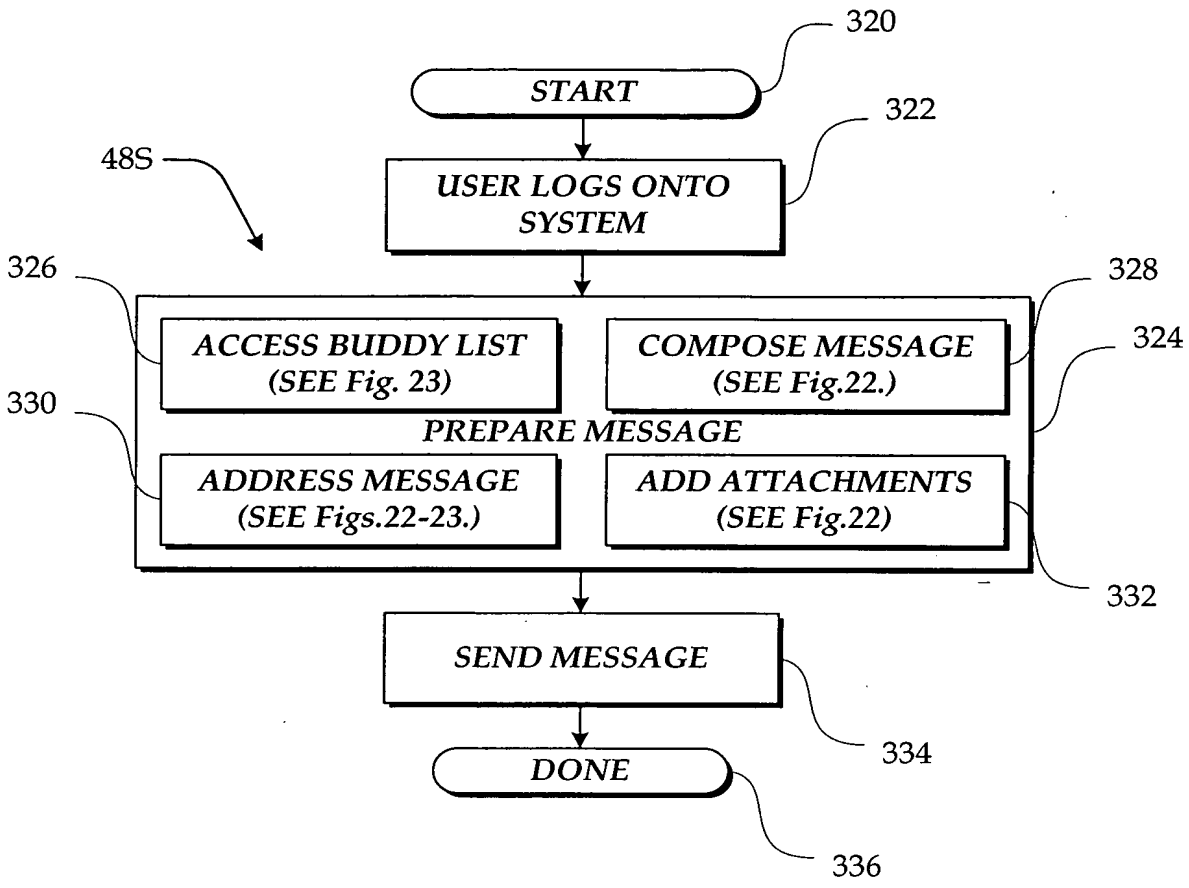
320
START
322
48S
USER LOGS ONTO SYSTEM
326
328
ACCESS BUDDY LIST (SEE Fig. 23)
COMPOSE MESSAGE (SEE Fig.22.)
324
330
PREPARE MESSAGE
ADDRESS MESSAGE (SEE Figs.22-23.)
ADD ATTACHMENTS (SEE Fig.22)
332
SEND MESSAGE
334
DONE
336

Fig.21.

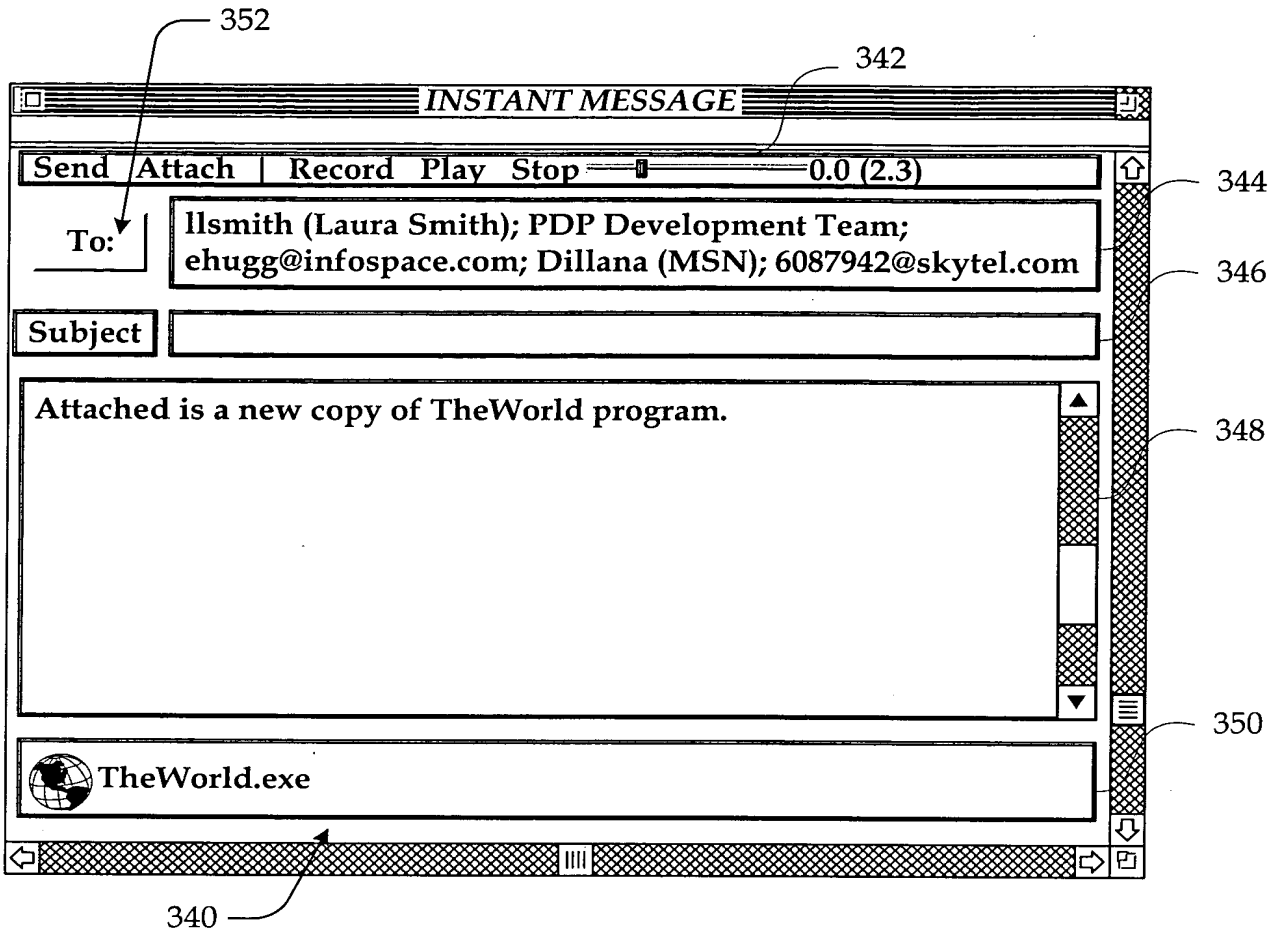
352
342
INSTANT MESSAGE
Send Attach | Record Play Stop 0.0 (2.3)
344
To:
llsmith (Laura Smith); PDP Development Team;
ehugg@infospace.com; Dillana (MSN); 6087942@skytel.com
346
Subject
Attached is a new copy of TheWorld program.
348
350
TheWorld.exe
340

Fig.22.

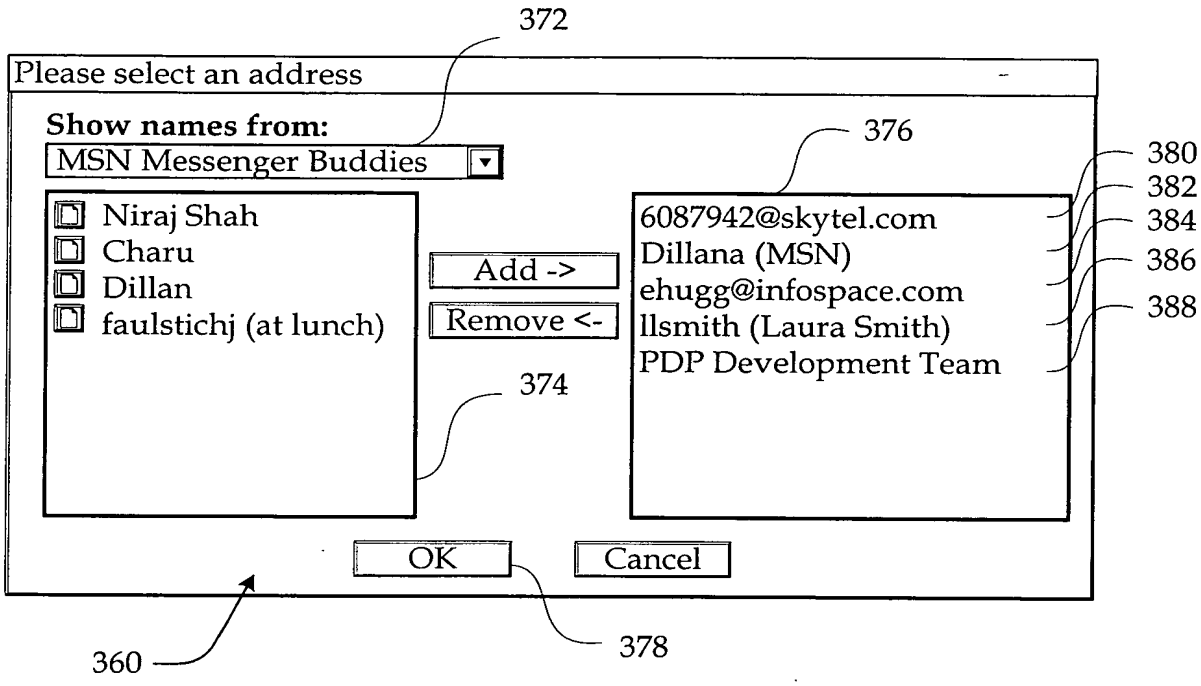
372
Please select an address
Show names from:
MSN Messenger Buddies
376
380
382
384
386
388
Niraj Shah
Charu
Dillan
faulstichj (at lunch)
Add ->
Remove <-
6087942@skytel.com
Dillana (MSN)
ehugg@infospace.com
llsmith (Laura Smith)
PDP Development Team
374
OK
Cancel
360
378

Fig.23.